

ENT BOOK

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
			Today Amt. 1866124-0	
			GT-18661-0	
			VAT-74645-0	
			CM-20,000-0	
			CBF-1866-0	
			L.R-27991-0	
			Fin 2000-0	
			ADJ 145163-0	
			Charge: 1720961-0	

24/1/16

1st and Final

M. A. R. 57 (Rule 116)
Measurement Book

Work code - 006-14-000002.

Est Cost Rs - 20,00,000/-
No. B

Improvements to Roads and Drains At
Bhagyashree Layout Near Chamundeshwari Temple
in Ward No. 06 Bhatrasanyapura Subdivision

350224

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
		3	4	5	6	7	8
	Work order no - EE/BTP/BBMP/E-TND/69/2013-14						
	Name of Contractor - Sri. R. Nataraj						
	HMT Layout Vidya Sanyapura Bangalore - 97.						
	① Earthwork Excavation by manual means in hard soil in wet - using an average horizontal throw up to 2 meters and an average width up to 0.50 m excavated surface leveled and sides neatly dressed and disposed earth base leveled and sides neatly						

date: 12.08.2014

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	measured the displaced earth to be covered nearly all breaking & chdg concrete as per specification etc concrete. As per pre-measurement recorded vide Page No. 350 289 to 350 290 in this MB. 234.60 m 21114.00 Page. 90:10 ② providing and laying in position plain cement concrete of mix M 7.5 with OPC cement at 180 kg using 40mm and down size graded granite metal concrete aggregate.						

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2
	at 0.85 cum and concrete laid in in foundation and 80mm & measuring concrete as per As per pre No. 350 2 Page. 4290:0

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Measurement Book

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350225

Serial No.

Name of Work From To

Name of Contractor of nature of Agency

Date of commencement of work

Contents 7	Reference to last Measurement 8	Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
				Number 3	Length 4	Breadth 5	Depth 6		
elled nearly all Specification etc			as 0.85 cum and fine aggregate 0.58 cum machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in foundation and plinth including cost of all materials labour from 8 machinery curing concrete as per Specification etc - concrete as per Specification.						
ended vide in this MB.			As per pre-measurement recorded vide page No. 350290 to 350291 in this MB.						
234.60 M			Page. 4290:00					61.33 M ³	263105:70
21114:00									
lain cement concrete 180 kg using 40mm coarse aggregate									

90M

350225

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
③	Providing and concreting granite / trap / basalt size stone masonry in foundation with 1:6 sand cement concrete in courses not less than 200mm with band stones at 2.0 m or above in each course including cost of masonry labour curing concrete as per specification. Also concrete as per specification. As per pre-measurement recorded Page no. 350291 in this MB. Page 3484:10					Vide 3 7.02 m	24457:68
④	Providing and pointing to courses stone masonry with cement mortar 1:3 20 mm deep after grouting joints to depth of 20 mm including curing						

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3
	8 masonry labour <u>curvest</u>	2
	Page - 76:10	
⑤	Providing and laying 8 mix M15 with cement size graded granite masonry	

OK

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350226

Depth 6	Contents 7	Reference to last Measurement 8
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concrete/masonry
work with CM 1:6 SMC
and less than 200mm high
each course including
concrete as per specification

vide 3
7.02m

24457:68

used stone masonry
deep as per grading
of lining including cast

Serial No. From To
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	8 masonry labour curing concrete as per specification <u>Culvert</u> Base - 76 : 10	2	6.45	-	0.65	8.38m ³	636:88
	⑤ Providing and Laying in Position plain cement concrete of Mix M15 with cement as shown with 20mm and down size graded granite metal Course allowance as 0.878 cum						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	and give average of 0.459 cum machine mixed concrete laid in layers not exceeding 15cm thick were compressed in foundation plant and curing compound cost of all materials labour curing compound as per specification.						
	<u>Culverts</u>	2	6.45	0.50	0.12	0.77 M ³	3611:30
	Rate: 4690:10						
⑥	Providing and removing concrete shuttering and bracing etc. and removal of form work for vertical						

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2	N
	Small such as W Paving bedding mensialy labour C	
	As per the. Meo No. 300 292	
	Rate. 271:00	
⑦	Providing and lay 2 design mix M20	

OK

Depth	Contents	Reference to last Measurement
6	7	8

on machine mixed
ceding 15cm thick
Plinth and Ring main
ring Compere as per

0.12 0.77 M³
3611:30

giving shuttering stru
in work for vertical

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350227

Serial No. From To
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Surface such as walls of any thickness including abacus Plugging buttresses Plinth and Spring Corners cast & all essential labour Compere as per specification etc. Compere As per the measurement recorded in the MB. No. 350292 to 350292 in this MB. 7.65 M ² 2073215 Rate - 271:00 Providing and laying in position reinforced cement concrete 2 design Mix M20 W.M OPC Cement as 320 kg with 20mm						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	and down size graded granite metal concrete surface of 0-878 cum and fine aggregate of 0-459 cum as per specification and 378 conforming to IS 9103-1999 2008 machine mixed concrete laid in layers not exceeding 15 cm thick vibrated for all work in foundation, floor and ground floor level for roof slabs staircase within deadening walls including attached plugging including cost of materials labour curing concrete as per specification <u>Culvert</u> .	1	6.45	1.80	0.23	2.67 m ³	15056:13
	Page - 5639:10						

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	
	③ Providing TMT 8 including straightening in position lapping feet with binding members whenever required and work cost of materials etc. concrete.	

No. B

350228

Contents		Reference to last Measurement	Serial No.	Name of Work	From	To	Date of commencement of work
7		8					
0-459 cum m	13 9103 - 1999 cum m						
in concrete not covered	in foundation & stairs						
passing including	as per specification						
2.67M							
15056:13							

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	As per Pre-measurement recorded vide Page no. 350292 to 350293 in this MB. 2.62 a/c 195/19=00 Page 7450:10						
	⑨ Construction of embankment with approved material gravel/murram with all costs and loads transferring to side spreading grading to gear in to slope and compacting to meet requirement of 300-2 Composite as per specification (which includes Cost 2 gravel/murram water in charges and Compaction using roller)						

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Nu 3
	Chd. Composite as per Engineer's instruction As per Pre. Page no. 350 Page 163:10 ⑩ Providing laying aggregate to wet mix Pre-mixing due to	

BOOK

h	Depth	Contents	Reference to last Measurement
	6	7	8

Recorded vide
30293 in this MB.
2.62 ax
19519:00

ent with approved
with all costs and bench
ing grading to ground
at measurement 300-2
on (which included Cost 2
and Completion of grading

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Serial No. From To
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Chd. Complete as per Specification and Engineer's instruction to the work.						
	As per Pre-measurement recorded vide Page No. 350293 to 350294 in this MB.					130.00 M ³	
	Rate - 163:00						21271:00
	⑩ Providing laying spreading and compacting graded stone aggregate to wet mix Macadam Specification including Pre-mixing the material with water as per in Measurement						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Mix Plant Carriage & Mixed Mesential by digger to side laying in uniform layers WBM panels in sub base base course on well prepared surface and Compaction with vibrating roller to achieve the desired density Complete as per Specification.						
	As per Pre. measurement Page no. 300294 to 350295					Secured vide in this MB. 174.00 m ³	
	Rate: 1121 = 10					195054 = 10	
(11)	cleaning the existing WBM road surface including removal of binding mesential and excess formation						

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3
	masses wire bound brooms or soft bro genny bags and or treatment including Cleaning Complete as per	
	As per Pre Page No. 3	
	Rate. 10 = 10	

BOOK

Depth	Contents	Reference to last Measurement
6	7	8

essential by zipper to
WM panels in sub base
surface and compacting
the desired density

ent recorded vide
in this MB.

50295
174.00 M
195054 = 0
M stand surface including
and other dimensions

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No. B

350230

Serial No.
Name of Work From To
Name of Contractor or nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	masser wire brush and small Pick sweeping with brooms or soft brushes and finally digging with old gunny bags and or compressed air to receive bidimensional treatment including cut & all measures of care in maintenance during concrete as per specification.						
	As per Pre-measurement recorded vide page no. 350295 to 350296 Rate. 10 = 10						
						870.00 M ² 8700 = 10	

350230

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(12)	Providing and applying primer coat from 12.2 to 14.60 per 10 square for surface of high porosity over prepared surface of granular base with cut bank MC 70 or any other bitumen mixed with diesel oil 13 us per 10 square heaped in bitumen tanker fitted with spray gun (excluding cleaning & road surface) including cost & measuring labour from & measurement common as per specification.						
	As per the measurement recorded vide Page no. 350296 to 350297 in this MB						
	Rate: 142 = 10					870.00 m ²	123540 =

Serial No.
 Name of Work
 Name of Contractor of nature of Agency
 Date of commencement of work

Date 1	Full description, etc, of work 2	Num 3
(13)	Providing and laying 25mm thick with an average output aggregates of specific binder of 4.5 to 5% mix to work side la with sensor control paving with smooth u Compere in all measures	

depth

Depth
6

Contents

7

Reference
to last
Measurement

8

r Coag from 12.2 to 14.6
 high porosity over paper
 in cut tank MC 70 or
 in diesel at 13 us per
 in lower fitted with spray
 and (sulfate) including
 OM & mechanical Comm

xment recorded with
 to 350 297 in this MB
 870.00 m² 123540

Measurement Book

No. B

350231

Serial No.

Name of Work From to

Name of Contractor of nature of Agency

Date of commencement of work

Date of commencement of work							
Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	Providing and laying						
	25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder of 4.5 to 5% of mix and freely transposing the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the prearranged grade level and also paving with smooth wheeled vibratory and tandem roller to compact in all necessary grade between 40-60 HMP ex. complete.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Channudeshwari Temple Road	1	30.00	$\frac{3.50 + 5.50}{2}$	0.025	3.37	
		1	30.00	$\frac{5.50 + 5.70}{2}$	0.025	4.20	
		1	30.00	$\frac{5.70 + 5.00}{2}$	0.025	4.01	
		1	17.90	$\frac{5.0 + 5.30}{2}$	0.025	2.30	
		1	30.00	$\frac{5.0 + 5.05}{2}$	0.025	3.76	
		1	30.00	5.00	0.025	3.75	

C&F.C.
m.u. (16/03)

20/07/17

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Number 3
	Rate - 9981:00	1
	(14) Providing and laying and down size granitic for R.C.C. work, laid in vibrating curing fin	

OK

Depth 6	Contents 7	Reference to last Measurement 8
5.50		
X 0.025	3.37	
5.70		
X 0.025	4.20	
5.00		
X 0.025	4.01	
5.30		
X 0.025	2.30	
5.05		
X 0.025	3.76	
0.00		
0.025	3.75	

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Measurement Book

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Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	6	
	Rate - 9981:00	1	3.00	5.00	0.025	0.37
						21.75 M
						217086:75
	(14) Providing and laying Cement concrete using 20mm and down size granite pieces & heavy mixed concrete for RCC work laid in 15 cms thick layers and well compacted vibrating curing finish with neesham cement mortar					

3.00 laky

350232

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Form Work and Scaffolding to withstand Pumping & Concrete with all lead and criss etc. Concrete (column, cast & steel and reinforcement charges) Ready Mixed Cement Concrete M20 (1:1.5:3) for raft foundation (column footing) Main and secondary beams etc. Concrete Temple Deduction	1	24.90	18.00	0.10	37.35 m ³	
		1	13.50	6.20	0.10	8.37 m ³	
						28.98 m ³	
			12.50	8.50	0.10	10.62 m ³	
						39.60 m ³	255974 =

Serial No.

Name of Work

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	No.
1	2	
15	Vacuum De. Water Mat and Compression die including Cyl Vibrating Power Flo and W88 etc., Com Temple Deduction - C/Fc 31/7/2017 Rate - 90.41	

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Serial No.
Name of Work From To
Name of Contractor of nature of Agency
Date of commencement of work

Depth 6	Contents 7	Reference to last Measurement 8
0.10	37.35 M ³	
0.10	8.37 M ³	
	<u>28.98</u> M ³	
0.10	10.62 M ³	
	<u>39.60</u> M ³	
	255974 =	

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
15	Vacuum De. Wadering with Vacuum Pump and suction mat and Compaction with skin floater crested with steering disc including Cost & Generator & H.M. & Machinery & steel Vibrating Power Floater blade and disc etc. with all lead and loss etc. Comp. & ...						
	Temple	1	24.90	15.00	-	373.50 M ²	
	Deduction -	1	13.50	6.20	-	83.70 M ²	
	C/Fc	1	12.50	8.50	-	106.25 M ²	
	Rate - 90 = 41					396.00 M ²	
						289.80 M ²	
						106.25	
						35802:36	

MEASUREMENT BOOK

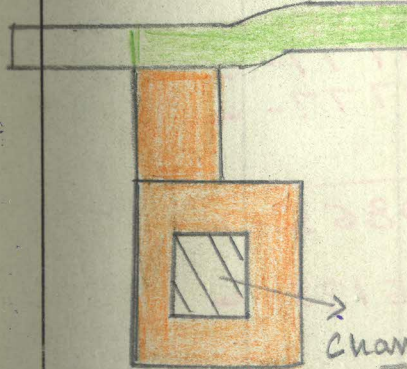
Date 1	Full description, etc, of work 2	Dimensions				Contents - 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	<u>Cement case.</u> ① Cemented that the work done Satisfactory ② This bill amount has not been claimed in any & previous bill. <i>[Signature]</i> 31/7/17 ಪ್ರಾ.ಪಂ.ಪ. ಅಧ್ಯಕ್ಷರು ಪ್ರಾ.ಪಂ.ಪ. ಅಧ್ಯಕ್ಷರನ್ನು ಉಪ ನಿರ್ದೇಶಕರು					Total Rs - 1206998/- <i>PA: 1207003/-</i> 30/7/2017 ಪ್ರಾ.ಪಂ.ಪ. ಅಧ್ಯಕ್ಷರು ಪ್ರಾ.ಪಂ.ಪ. ಅಧ್ಯಕ್ಷರನ್ನು ಉಪ ನಿರ್ದೇಶಕರು / ಪ್ರಾ.ಪಂ.ಪ. ಅಧ್ಯಕ್ಷರು-2	

Serial No.

Name of Work

Name of Contractor of nature of Agency

Date of commencement of work

Date 1	Full description, etc, of work 2
	 Cham

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350284

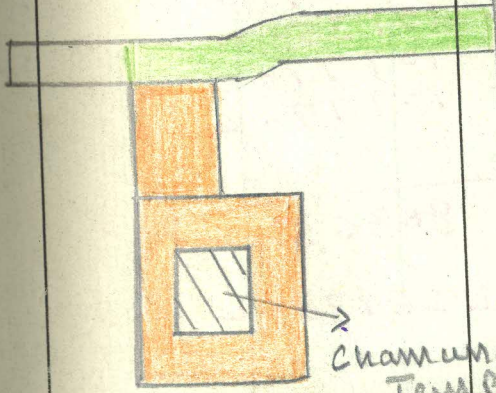
Thavirandra

W 03

5065

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

From To

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	 Bhagyasree Colony Chamundeswari Temple					Asphalt Work Concrete Road	

[Signature]
31/7/17
ಮಾನ್ಯತೆ ಕಾರ್ಯಾಲಯದ ಉಪ ನಿರ್ದೇಶಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಳ್ಳಾರಿ ಜಿಲ್ಲಾಪಾಲಕರು

31/7/2017
ಮಾನ್ಯತೆ ಕಾರ್ಯಾಲಯದ ಉಪ ನಿರ್ದೇಶಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಳ್ಳಾರಿ ಜಿಲ್ಲಾಪಾಲಕರು

Main Road

1520

Contents
- 7
Reference to last Measurement
8

PS - 1206998
1207003

one satisfactory
been claimed in

31/7/2017
ಮಾನ್ಯತೆ ಕಾರ್ಯಾಲಯದ ಉಪ ನಿರ್ದೇಶಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಳ್ಳಾರಿ ಜಿಲ್ಲಾಪಾಲಕರು

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Dep 6	
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. <u>Rs. 12.07.00 3-4</u> ಗಟ್ಟಿ ಪಾಡು ಮಾಡಿದ: ಇದರಲ್ಲಿ ರೂ. <u>80865-4</u> ಮೊಂಡಾಗಣೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು <u>11,26138-4</u> <u>Rs. Eleven lakh twenty six thousand</u> <u>One hundred thirty eight only.</u> <u>16/02</u>					To pay Rs. 12,07,003-00 IT - 12070-0 Cu - 12070-0 CBF - 1207-0 LK - 18829-0 Fin - 15135-0 CYST - 10777-0 SYST - 10777-0 Adj. 80865-4 Cheque 1126138-0

Serial No.

Name of Work

Name of Contractor of nature of Agency

Date of commencement of work

Date 1	Full description, etc, of work 2